

<110> Xu, Hong  
 Cohan, Victoria L.  
 Stuart, Susan G.

<120> HUMAN EMRI-LIKE G PROTEIN-COUPLED RECEPTOR

<130> PC-0052 CIP

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<141> Herewith

<160> 12

<170> PERL Program

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<211> 652

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 429905

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&lt;211&gt; 3350

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 429905

&lt;220&gt;

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<211> 554
<212> DNA
<213> Homo sapiens

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&lt;223&gt; Incyte ID No: 2438817F7

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&lt;211&gt; 445

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;220&gt;

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&lt;222&gt; 6, 17, 76, 105

&lt;223&gt; a, t, c, g, or other

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&lt;210&gt; 9

&lt;211&gt; 419

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&lt;213&gt; Homo sapiens

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&lt;210&gt; 10

&lt;211&gt; 598

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

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&lt;223&gt; Incyte ID No: 7749732H1

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<400> 11

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35 40 45
Thr Cys Thr Asn Thr Val Asp Ser Tyr Tyr Cys Thr Cys Lys Gln
50 55 60
Gly Phe Leu Ser Ser Asn Gly Gln Asn His Phe Lys Asp Pro Gly
65 70 75
Val Arg Cys Lys Asp Ile Asp Glu Cys Ser Gln Ser Pro Gln Pro
80 85 90
Cys Gly Pro Asn Ser Ser Cys Lys Asn Leu Ser Gly Arg Tyr Lys
95 100 105
Cys Ser Cys Leu Asp Gly Phe Ser Ser Pro Thr Gly Asn Asp Trp
110 115 120
Val Pro Gly Lys Pro Gly Asn Phe Ser Cys Thr Asp Ile Asn Glu
125 130 135
Cys Leu Thr Ser Arg Val Cys Pro Glu His Ser Asp Cys Val Asn
140 145 150
Ser Met Gly Ser Tyr Ser Cys Ser Cys Gln Val Gly Phe Ile Ser
155 160 165
Arg Asn Ser Thr Cys Glu Asp Val Asn Glu Cys Ala Asp Pro Arg
170 175 180
Ala Cys Pro Glu His Ala Thr Cys Asn Asn Thr Val Gly Asn Tyr
185 190 195
Ser Cys Phe Cys Asn Pro Gly Phe Glu Ser Ser Ser Gly His Leu
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Ser Cys Gln Gly Leu Lys Ala Ser Cys Glu Asp Ile Asp Glu Cys
215 220 225
Thr Glu Met Cys Pro Ile Asn Ser Thr Cys Thr Asn Thr Pro Gly
230 235 240
Ser Tyr Phe Cys Thr Cys His Pro Gly Phe Ala Pro Ser Ser Gly
245 250 255
Gln Leu Asn Phe Thr Asp Gln Gly Val Glu Cys Arg Asp Ile Asp
260 265 270
Glu Cys Arg Gln Asp Pro Ser Thr Cys Gly Pro Asn Ser Ile Cys
275 280 285
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290 295 300
His Pro Asn Pro Glu Gly Ser Gln Lys Asp Gly Asn Phe Ser Cys
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Gln Arg Val Leu Phe Lys Cys Lys Glu Asp Val Ile Pro Asp Asn
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Leu	Asp	Leu	Val	Ala	Lys	Gly	Asp	Lys	Met	Lys	Ile	Gly	Cys	Ser	
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Thr	Ile	Glu	Glu	Ser	Glu	Ser	Thr	Glu	Thr	Thr	Gly	Val	Ala	Phe	
				470					475					480	
Val	Ser	Phe	Val	Gly	Met	Glu	Ser	Val	Leu	Asn	Glu	Arg	Phe	Phe	
				485					490					495	
Gln	Asp	His	Gln	Ala	Pro	Leu	Thr	Thr	Ser	Glu	Ile	Lys	Leu	Lys	
				500					505					510	
Met	Asn	Ser	Arg	Val	Val	Gly	Gly	Ile	Met	Thr	Gly	Glu	Lys	Lys	
				515					520					525	
Asp	Gly	Phe	Ser	Asp	Pro	Ile	Ile	Tyr	Thr	Leu	Glu	Asn	Val	Gln	
				530					535					540	
Pro	Lys	Gln	Lys	Phe	Glu	Arg	Pro	Ile	Cys	Val	Ser	Trp	Ser	Thr	
				545					550					555	
Asp	Val	Lys	Gly	Gly	Arg	Trp	Thr	Ser	Phe	Gly	Cys	Val	Ile	Leu	
				560					565					570	
Glu	Ala	Ser	Glu	Thr	Tyr	Thr	Ile	Cys	Ser	Cys	Asn	Gln	Met	Ala	
				575					580					585	
Asn	Leu	Ala	Val	Ile	Met	Ala	Ser	Gly	Glu	Leu	Thr	Met	Asp	Phe	
				590					595					600	
Ser	Leu	Tyr	Ile	Ile	Ser	His	Val	Gly	Ile	Ile	Ile	Ser	Leu	Val	
				605					610					615	
Cys	Leu	Val	Leu	Ala	Ile	Ala	Thr	Phe	Leu	Leu	Cys	Arg	Ser	Ile	
				620					625					630	
Arg	Asn	His	Asn	Thr	Tyr	Leu	His	Leu	His	Leu	Cys	Val	Cys	Leu	
				635					640					645	
Leu	Leu	Ala	Lys	Thr	Leu	Phe	Leu	Ala	Gly	Ile	His	Lys	Thr	Asp	
				650					655					660	
Asn	Lys	Thr	Gly	Cys	Ala	Ile	Ile	Ala	Gly	Phe	Leu	His	Tyr	Leu	
				665					670					675	
Phe	Leu	Ala	Cys	Phe	Phe	Trp	Met	Leu	Val	Glu	Ala	Val	Ile	Leu	
				680					685					690	
Phe	Leu	Met	Val	Arg	Asn	Leu	Lys	Val	Val	Asn	Tyr	Phe	Ser	Ser	
				695					700					705	
Arg	Asn	Ile	Lys	Met	Leu	His	Ile	Cys	Ala	Phe	Gly	Tyr	Gly	Leu	
				710					715					720	
Pro	Met	Leu	Val	Val	Val	Ile	Ser	Ala	Ser	Val	Gln	Pro	Gln	Gly	
				725					730					735	
Tyr	Gly	Met	His	Asn	Arg	Cys	Trp	Leu	Asn	Thr	Glu	Thr	Gly	Phe	
				740					745					750	
Ile	Trp	Ser	Phe	Leu	Gly	Pro	Val	Cys	Thr	Val	Ile	Val	Ile	Asn	
				755					760					765	
Ser	Leu	Leu	Leu	Thr	Trp	Thr	Leu	Trp	Ile	Leu	Arg	Gln	Arg	Leu	
				770					775					780	
Ser	Ser	Val	Asn	Ala	Glu	Val	Ser	Thr	Leu	Lys	Asp	Thr	Arg	Leu	
				785					790					795	
Leu	Thr	Phe	Lys	Ala	Phe	Ala	Gln	Leu	Phe	Ile	Leu	Gly	Cys	Ser	
				800					805					810	
Trp	Val	Leu	Gly	Ile	Phe	Gln	Ile	Gly	Pro	Val	Ala	Gly	Val	Met	
				815					820					825	
Ala	Tyr	Leu	Phe	Thr	Ile	Ile	Asn	Ser	Leu	Gln	Gly	Ala	Phe	Ile	
				830					835					840	
Phe	Leu	Ile	His	Cys	Leu	Leu	Asn	Gly	Gln	Val	Arg	Glu	Glu	Tyr	

Lys	Arg	Trp	Ile	Thr	Gly	Lys	Thr	Lys	Pro	Ser	Ser	Gln	Ser	Gln	845	850	855
				860											860	865	870
Thr	Ser	Arg	Ile	Leu	Leu	Ser	Ser	Met	Pro	Ser	Ala	Ser	Lys	Thr	875	880	885
Gly																	

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 <213> Homo sapiens

<300>  
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His	Trp	Ala	Thr	Thr	Gly	Cys	Ser	Thr	Ile	Gly	Thr	Arg	Asp	Thr	20	25	30	35
Ser	Thr	Ile	Cys	Arg	Cys	Thr	His	Leu	Ser	Ser	Phe	Ala	Val	Leu	40	45	50	55
Met	Ala	His	Tyr	Asp	Val	Gln	Glu	Asp	Pro	Val	Leu	Thr	Val	Ile	60	65	70	75
Thr	Tyr	Met	Gly	Leu	Ser	Val	Ser	Leu	Leu	Cys	Leu	Leu	Leu	Ala	80	85	90	95
Ala	Leu	Thr	Phe	Leu	Leu	Cys	Lys	Ala	Ile	Gln	Asn	Thr	Ser	Thr	100	105	110	115
Ser	Leu	His	Leu	Gln	Leu	Ser	Leu	Cys	Leu	Phe	Leu	Ala	His	Leu	120	125	130	135
Leu	Phe	Leu	Val	Ala	Ile	Asp	Gln	Thr	Gly	His	Lys	Val	Leu	Cys	140	145	150	155
Ser	Ile	Ile	Ala	Gly	Thr	Leu	His	Tyr	Leu	Tyr	Leu	Ala	Thr	Phe	160	165	170	175
Thr	Trp	Met	Leu	Leu	Glu	Ala	Leu	Tyr	Leu	Phe	Leu	Thr	Ala	Arg	180	185	190	195
Asn	Leu	Thr	Val	Val	Asn	Tyr	Ser	Ser	Ile	Asn	Arg	Phe	Met	Lys	200	205	210	215
Lys	Leu	Met	Phe	Pro	Val	Gly	Tyr	Gly	Val	Pro	Ala	Val	Thr	Val	220	225	230	235
Ala	Ile	Ser	Ala	Ala	Ser	Arg	Pro	His	Leu	Tyr	Gly	Thr	Pro	Ser	240	245	250	255
Arg	Cys	Trp	Leu	Gln	Pro	Glu	Lys	Gly	Phe	Ile	Trp	Gly	Phe	Leu	260	265	270	275
Gly	Pro	Val	Cys	Ala	Ile	Phe	Ser	Val	Asn	Leu	Val	Leu	Phe	Leu	280	285	290	295
Val	Thr	Leu	Trp	Ile	Leu	Lys	Asn	Arg	Leu	Ser	Ser	Leu	Asn	Ser	300	305	310	315
Glu	Val	Ser	Thr	Leu	Arg	Asn	Thr	Arg	Met	Leu	Ala	Phe	Lys	Ala	320	325	330	335
Thr	Ala	Gln	Leu	Phe	Ile	Leu	Gly	Cys	Thr	Trp	Cys	Leu	Gly	Ile	340			
Leu	Gln	Val	Gly	Pro	Ala	Ala	Arg	Val	Met	Ala	Tyr	Leu	Phe	Thr				
Ile	Ile	Asn	Ser	Leu	Gln	Gly	Val	Phe	Ile	Phe	Leu	Val	Tyr	Cys				
Leu	Leu	Ser	Gln	Gln	Val	Arg	Glu	Gln	Tyr	Gly	Lys	Trp	Ser	Lys				
Gly	Ile	Arg	Lys	Leu	Lys	Thr	Glu	Ser	Glu	Met	His	Thr	Leu	Ser				
Ser	Ser	Ala	Lys	Ala	Asp	Thr	Ser	Lys	Pro	Ser	Thr	Val	Asn					